

Specifications

- **Working Frequency Range 100 – 500 MHz**
- **Gain 28 - 32 dB**
- **Noise figure 2,5 dB**
- **Gain flatness 1,3 dB**
- **P_1 dB output 8 dBm**
- **VSWR input/output 1,7/1,7**
- **Power supply 11,4 – 28 V 50 mA**



The broadband microwave amplifier ELU 0105 is a complete functional unit that provides amplification of the input signal in a wide frequency band. It is made in a sealed enclosure. The unit has low noise figure.

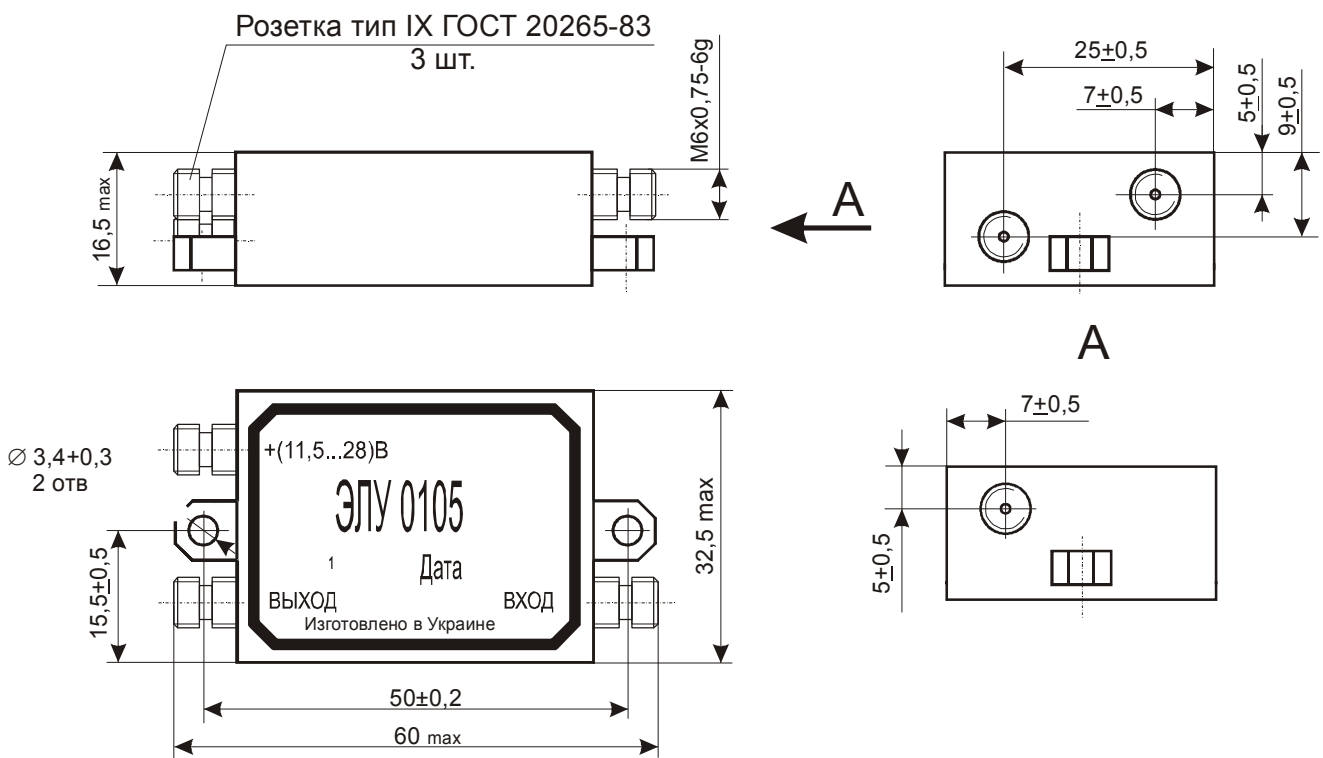
Maximum allowable operating conditions

Parameter	Units of measurement	Value
Working frequency range	MHz	100 - 500
Maximum allowable input power	mW	50
Supply voltage (positive)	V	11,5 - 28
Supply voltage ripple	%	5
Ambient temperature	C	-50...+60

Main specifications

Parameter , unit of measurement	Value		
	min.	typical	max.
Power gain, dB	28,0	—	32,0
Power gain flatness over working frequency range, dB	—	1,3	1,5
Noise figure, dB	—	2,5	3,0
Power gain decrease at 5 mW output power, dB	—	0,85	1,0
VSWR input/output	—	1,7	2,0
Supply voltage, V	11,5	12	28
Current consumption, mA	—	—	50

Outline drawing



Для сочленения со входом, выходом и входом питания применять вилку тип IX ГОСТ 20265-83.